

CHET'S AUTO ELECTRIC  
213 So. Walnut St. Bryan, O.  
PHONE 636-3108

# HANDY PORTABLE DRILL

# VICE AND DRILL

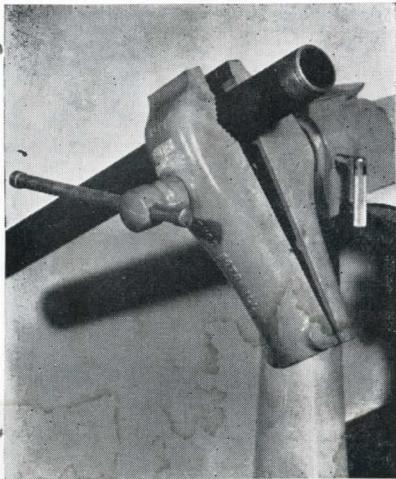
THE  
COMBINATION TOOL  
OF A  
THOUSAND USES

Cole Tool Mfg. Co.  
1660 School St., Chicago Heights, Ill.

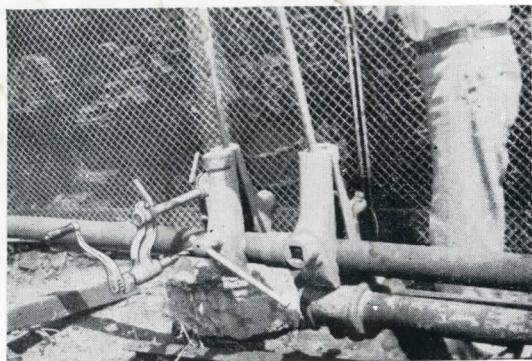


# WISE

The Handy Portable Vise can be turned to any angle on the bench plate or detached from the latter entirely and used as an oversize pipe wrench by inserting a bar in the aperture provided for this purpose, thus giving great leverage. In the two pictures below the vise is shown, first, set up with bench plate with anvil, and, second, being used as an oversize pipe wrench.



POSITIONING PIPE AND WELDERS VISE



IN USE AS GIANT PIPE WRENCH

# WISE AN

The Handy Portable Vise and Drill can be used in combination as a horizontal or vertical drill press. In the illustration below the drill is shown in the horizontal position. By turning the vise in the bench plate 90° it becomes a vertical drill press. The V-block grip for round objects can be detached, thus providing a flat base where desired.

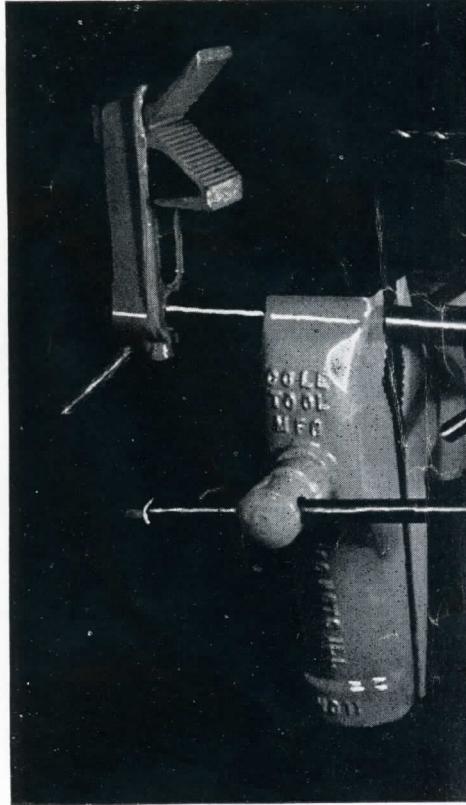
GUARANTEED AGAINST DEFECTS IN

## Swings on Vertical Axis

Castings for the Handy Portable Vise are made of a special Alloy for strength. Jaws are equipped with detachable steel jaw plates. In addition to the detachable plates the vise is constructed with two sets of integral chill-hardened pipe jaws to handle pipes of dimension varying from  $\frac{3}{8}$ " to 4". The jaws will also grip hex, square and round head nuts. Face of the vise measures  $3\frac{1}{4}$ " in width. The anvil, which is standard equipment, measures  $2\frac{1}{2}'' \times 5''$  with horn.

Maneuverability of the vise, which may be removed from the bench plate, or turned on a vertical instead of a horizontal axis, is a feature which quickly appeals to manufacturers, mechanics and craftsmen who often find it expedient to work away from the bench. In emergencies it frequently saves its purchase price many times over.

Weight of vise with anvil ..... 59 lbs.



In The Shop or On The Road, Here Is A

## USED BY--

FARMERS

FARM IMPLEMENT DRRS.

PLUMBERS

STEAMFITTERS

MACHINISTS

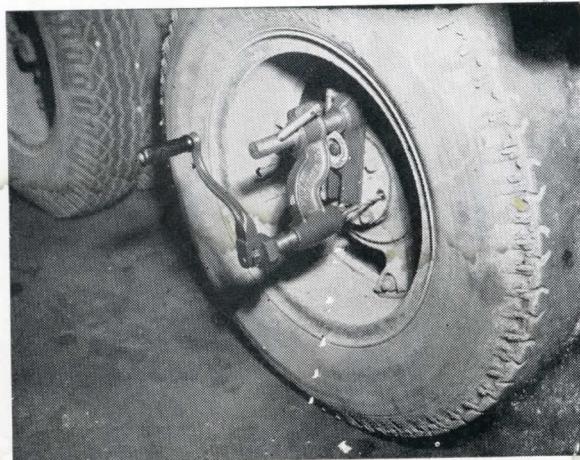
MECHANICS

WELDERS

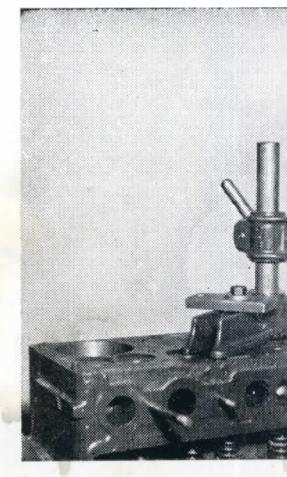
HOME CRAFTSMEN

MAINTENANCE MEN

AND MANY OTHERS



DRILLING OUT BROKEN WHEEL STUDS



DRILLING OUT BRO

# D DRILL

Both head and base of the drill are adjustable on the rod supporting the two, and the rod may be gripped by the vise either above or below the slide base, thus offering great latitude of adjustment. This latitude may be further increased by adding bars of varying length to the equipment. The bar is standard  $1\frac{1}{8}$ " cold rolled steel, easily obtainable.

# DRILL

The Handy Portable Drill can be used in many hard-to-get-at places. It has a ratchet handle, permitting fractional turns in places difficult of access. When the nature of the job requires, the slide base may be turned to the right or left and still be in alignment with bar and drill, to provide an offset grip. (See illustration below.)

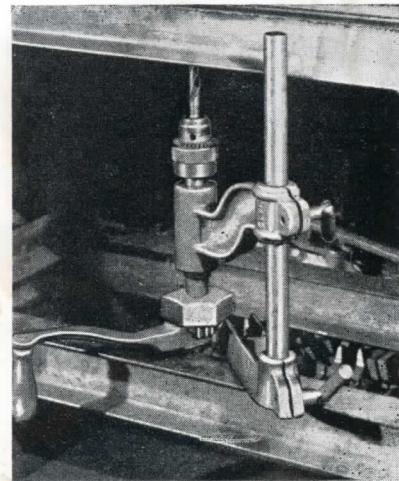
## MATERIALS AND WORKMANSHIP



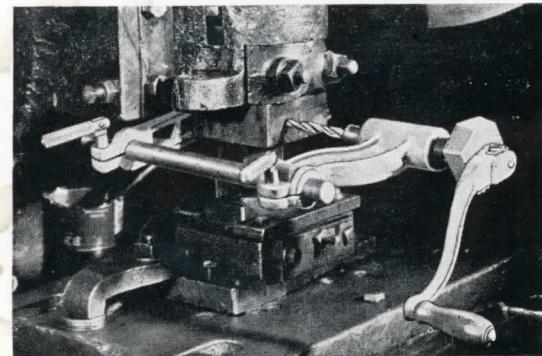
## Exerts Up to 1000 lbs. Pressure

The Handy Portable Drill has many uses. Because of its slow speed and capacity of 1000 lbs. pressure, it bites rapidly into metals without overheating or undue wear on the bit. The drill has a  $\frac{1}{2}$ " blacksmith type mandrel with ratchet handle or takes an almond chuck with  $\frac{1}{2}$ " capacity, which is accessory equipment (see illustration at right). The pressure screw has a 2" feed and a 10 pitch thread. The slide base has lining bars which will conform with bar and bit, or which can be turned to right or left to provide an offset purchase. Both head and foot slide on the bar to any position and are permanently locked by tension handles. The hardest steels can be drilled with carbon drill bits, as well as such materials as glass, spring steel, grader blades, etc. It can be used as a wheel-puller, bushing pusher and for removing broken cylinder studs, manifold studs, pan bolts, oil pan plugs, etc. It does the work in tough spots where other drills will not do the job.

Weight of drill, boxed ..... 20 lbs



INVERTED FRAME DRILLING

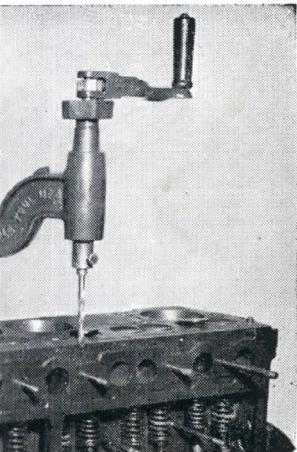


DRILLING OUT BROKEN SET SCREW

## Tool That Will Save You Time and Money

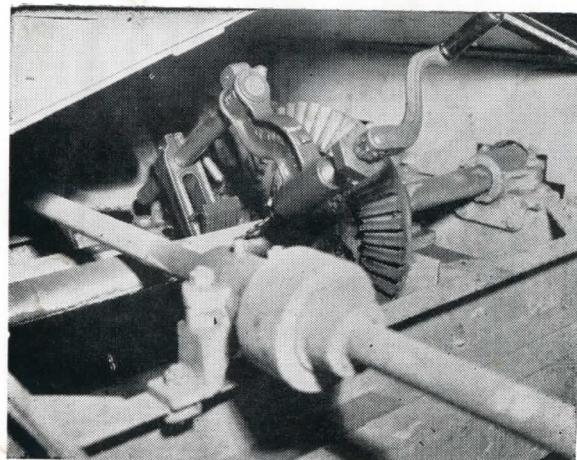
### USED BY--

CONTRACTORS  
PUBLIC UTILITIES  
ROAD BUILDERS  
MANUFACTURERS  
AUTO BODY SHOPS  
FLEET OPERATORS  
REFINERIES  
MARINE ENGINEERS  
AIR CONDITIONING ENGRS.

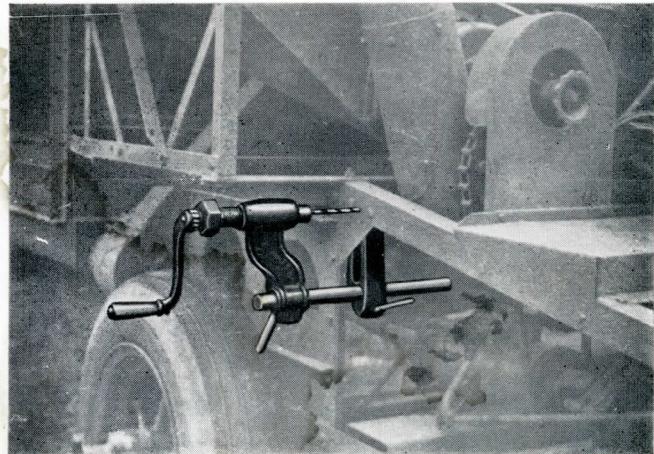
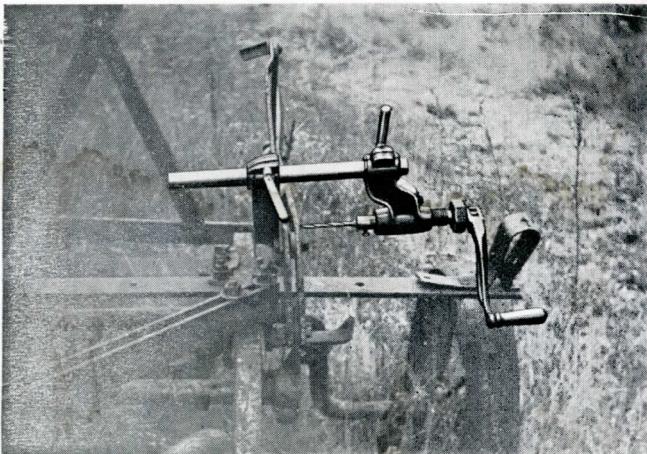


EN MOTOR STUD BOLTS

AND MANY OTHERS



DRILLING SHAFT CENTER



## MANY USES ON THE FARM



The Handy Portable Vise and Drill are widely used among farmers and farm implement dealers. Its ability to do the work on the spot, thus saving time and cost involved in transportation, disassembly and assembly, have made it invaluable to this class of users. Few farmers who have used it in an emergency are willing to part with it thereafter. On this page are shown a few of the many possible applications of the Handy Portable Drill to farm implements.

